

NTN Grid - Programme Information

Paediatric Diabetes and Endocrinology 2019

Please find below programme information for the above sub-specialty for training programmes starting in September 2019.

Page 2 contains a list of all submitted programmes of training; the job descriptions for each post follow on.

Each subspecialty grid programme covers the [RCPCH curriculum](#) as specified on the RCPCH.

Please note: Programme submissions can be withdrawn or amended at any point until an offer of employment has been made to an applicant.

Application Process

Applications for the NTN Grid open from 12 noon Friday 7 September 2018 and close at 12 noon Friday 28 September 2018. Applications can only be accessed during this period from the College website.

For more information on the grid process and to access the Grid Applicants Guide please visit: <http://www.rcpch.ac.uk/ntngrid>

Contact Details

For specific sub-specialty information, please contact:

Dr Guftar Shaikh

Email: guftar.shaikh@nhs.net

Abigail Wright
(Sub-specialty Recruitment Coordinator)

Email: ntn.grid@rcpch.ac.uk
Tel: (020) 7092 6139

Programme Description

Maximum Number of National Training Grid Appointments that may be made in 2019 for Paediatric Diabetes and Endocrinology	7
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Deanery	Programme of Training	Places available	Duration (Years)	Page
East of England	Addenbrookes Hospital, Cambridge University Hospital NHS Foundation Trust	1	2-3	2
London	University College Hospital/GOSH	1	2-3	6
Northern	Great North Children's Hospital	1	2	15
Severn and Wales	Bristol Children's Hospital Children's Hospital for Wales, Cardiff	1	2-3	17
Thames Valley and Wessex	John Radcliffe Hospital Southampton General Hospital	1	2	21
West Midlands	Birmingham Children's Hospital	2	2-3	30

East of England

Hospital / Centre	Placement Name	Duration (Months)	Educational Supervisor (name and e-mail) These will be published unless you ask otherwise	Compulsory (C) or Optional (O)	Availability Guaranteed (Y/N)
Addenbrookes Hospital, Cambridge University Hospital NHS Foundation Trust	Specialist Registrar in Paediatric Endocrinology and Diabetes	24-36 months	Dr Carlo Acerini, cla22@cam.ac.uk	C	Y

Programme Description

Sub-specialty:	Paediatric Endocrinology
Base Unit:	Cambridge University Hospital NHS Trust (Addenbrookes Hospital)
Deaneries involved:	East of England

Outline of Programme

Provides comprehensive training in Paediatric Diabetes and Endocrinology for 2-3 years

Outpatient services:

- outpatient services exclusive to the speciality and located in the Weston centre within the Institute of Metabolic

Science (IMS)

- general endocrine clinics 2/week
- specialised endocrine multidisciplinary clinics: congenital adrenal hyperplasia, endocrine-oncology, endocrine-genetics, disorders of sexual development, hyperlipidaemia, severe obesity
- age-banded diabetes clinics 3-4/week, including diabetes technology clinic
- established transition clinics in endocrinology and diabetes with adult teams
- nationally commissioned severe insulin resistance service
- nurse-led thyroid and diabetes clinics

Inpatient services:

- provide support to regional paediatric intensive care, oncology and neurosurgery services
- dynamic tests in paediatric day unit or adult clinical investigation unit (transition patients)

MDT/ post-clinic meetings:

- diabetes (weekly), disorders of sexual development, endocrine-oncology, endocrine biochemistry MDT
- endocrine post-clinic meeting/ endocrine investigations meeting
- diabetes psychosocial MDT with psychologist and liaison child psychiatrist
- participation in MDTs organised by the adult endocrine team (thyroid; regional pituitary)

Departmental Information

- Demographics

Programme Description

The East of England has a population of approximately 5.4 million and is covered by one tertiary centre -Cambridge University Hospitals (CUH) & 15 district general hospitals. CUH provide outreach services to 7 DGHs.

Endocrine caseload: New patients: ~500 per year, review patients: ~1900 per year, Growth Hormone therapy: 328 patients including ~40 new starts per year. Dynamic tests: ~200 per year.

Diabetes caseload: 280 patients; of whom 42% on insulin pumps, 12% on CGM

- Team

Consultants:

Dr. Carlo Acerini, University of Cambridge, Paediatric Diabetes & Endocrinology

Prof. David Dunger, University of Cambridge, Paediatric Endocrinology

Prof. Ken Ong, University of Cambridge, Paediatric Endocrinology & Obesity

Dr. Rachel Williams, University of Cambridge, Paediatric Diabetes & Endocrinology, Severe insulin resistance

Dr. Ajay Thankamony, Paediatric Diabetes & Endocrinology

Medical trainees:

1 WTE Clinical Lecturer (ST5+, 'GRID equivalent'), 1 WTE GRID post ('currently advertised'), 1 WTE Diabetes SPIN (ST4+), 1 WTE Junior doctor support (ST1-3) shared with Neurology, clinical academic trainees (2 research fellows and 1 academic trainee)

Specialist nurses: 4 (3 WTE) Paediatric Endocrine nurses; 4 (3.5 WTE) Paediatric Diabetes nurses

Allied health professionals: 3 (2.3 WTE) Paediatric Diabetes Dieticians, 3 (1.85 WTE) Psychologists

1 (0.5 WTE) Play therapist

Administrative staff: 1 WTE Receptionist (dedicated to the Weston Centre), 1 WTE Secretary (dedicated to the Weston Centre)

- Supervisor(s)

Dr. Carlo Acerini

Prof. Ken Ong

Dr. Rachel Williams

Programme Description

Clinical Training Responsibilities

- inpatient and outpatient patient care
- medical supervision of endocrine dynamic tests
- planning elective admissions for evaluation/management
- participation in the diabetes on-call-rota (with diabetes nurses, dieticians and medical staff)
- active participation in MDT meetings

Workload / Rota Arrangements / Example Timetable

- 1:15 rota for out of hours cover for general paediatrics (a dedicated trust-appointed rota co-ordinator manages and ensures regulatory compliance of this rota)
- 1 week every 6 months normal working day cover for general paediatrics

Non Clinical Training Responsibilities (expectations of research / audit / teaching)

- Performs audits, guideline development and review; attends clinical governance meetings; leads on quality improvement projects
- Supports postgraduate training. Activities include: organisation of regional endocrine study day for ST4-8 trainees; participation in weekly postgraduate symposia and quarterly regional paediatric diabetes and endocrine meetings
- Develops and performs own research projects and participates in existing research. The department and IMS hosts much world class research in Paediatric Endocrinology and Diabetes, including: Prevention and improved treatments for Type 1 diabetes; Artificial pancreas; Biomarkers of neonatal and infancy growth and nutrition; Endocrine disrupting chemicals; Genetic and non-genetic determinants of child obesity and puberty (see: <http://paediatrics.medschl.cam.ac.uk/research/research-themes/>).

Further training opportunities

- attends adult endocrine and diabetes clinics and adolescent gynaecology clinics at CUH
- attends specialist paediatric bone clinics, Birmingham Children's Hospital

Any further information

n/a

Contact details for unit

Dr Carlo Acerini, University Senior Lecturer & Consultant Paediatrician. Email: cla22@cam.ac.uk

Prof. Ken Ong, MRC Programme Leader & Consultant Paediatrician. Email: ken.ong@mrc-epid.cam.ac.uk

Dr Rachel Williams, Consultant in Paediatric Endocrinology and Diabetes. Email: rmw33@medschl.cam.ac.uk

London

Hospital / Centre	Placement Name	Duration (Months)	Educational Supervisor (name and e-mail) These will be published unless you ask otherwise	Compulsory (C) or Optional (O)	Availability Guaranteed (Y/N)
University College Hospital/GOSH	Endocrinology	24-36	Dr Peter Hindmarsh p.hindmarsh@ucl.ac.uk	C	Y

Additional Information

Rotation to start at University College Hospital. Following the first year, the trainee will rotate to GOSH for the second year. The 3rd year is optional depending on the level of training at entry to the grid and prior experience and so may involve rotation to the Royal London Hospital.

Job descriptions for all units available.

Programme Description

Sub-specialty:	Paediatric Endocrinology
Base Unit:	Barts Health (The Royal London Hospital)
Deaneries involved:	London/Thames

Outline of Programme

Trainees are exposed to a busy tertiary level paediatric endocrinology and diabetes service. The post can be offered as part of a 2-3 year grid training rotation or as a stand alone post. We provide in depth, wide ranging general and complex/specialist paediatric endocrine and diabetes training in accordance with the curriculum for trainees. Additionally, our strong links with the adult endocrine department at Barts also offers training in adolescent and adult endocrinology and we are able to provide a model of lifelong joint care for selected complex patients. The close academic links with the Centre for Endocrinology at Charterhouse Square provides numerous additional training opportunities.

Departmental Information

- Demographics

East London is a densely populated inner city area with considerable ethnic and socio-economic diversity. Secondary and tertiary health care is provided by the combined facilities of St Bartholomew's (Barts) and the Royal London (RLH) Hospitals and their merged medical schools, which form part of Queen Mary, University of London (QMUL). The School of Medicine campuses are situated at Charterhouse Square, where the William Harvey Research Institute (WHRI) is located and at Whitechapel adjacent to the newly constructed Royal London Hospital. Barts Health NHS Trust (BHT) now encompasses 7 hospitals, which include Newham (NUH) and Whipps Cross (WXUH) University Hospitals with which there are close links for the delivery of paediatric diabetes and endocrine care. The population served by Barts Health consists of ~2.5 million, 20% of whom are aged less than 15 years (total population ~500,000). The Paediatric Endocrinology clinical service is based at The Royal London Hospital and consists of ~105 consultant-led outpatient clinics per year, as well as 3-5 nurse-led clinics per week. Endocrine outpatient attendances total ~1,100 and ~3,600 new and follow-up patients per year, respectively. Special interests are complex growth disorders (~120 patients currently on GH therapy), growth hormone insensitivity (3 patients on rhIGF-1 therapy), puberty, Cushing's syndrome (1982-2017 n=60 patients - largest series outside NIH and Mumbai), adrenal/DSD disorders, bone / calcium disorders and Prader Willi Syndrome. Joint paediatric endocrine clinics are held with haematology and gastroenterology. The centre also receives a number of National and International referrals. The Consultants provide an outreach service to 5 District General Hospitals in the North East Thames region including NUH and WXUH. We also have a number of family and transition clinics in conjunction with the adult endocrinology team including those for complex endocrine neoplasia syndromes (Von Hippel Lindau, MEN and familial paraganglioma/phaeochromocytoma syndromes). Barts Health is also one of the largest paediatric diabetes mellitus centres in the UK (~600 patients). At the RLH there are currently 3-4 busy clinics/week- outpatient attendances total ~100 new patients/year and ~ 1,100 follow-up patients. The paediatric diabetes service at the RLH has ~315 patients, (80% T1DM, 20% CFRD, T2DM, monogenic or secondary diabetes). There are currently joint diabetes clinics with the cystic fibrosis team. We also have close links with the paediatric Clinical Research Facility and are actively involved multiple clinical studies.

- Team

Paediatric Endocrinology Staff:

Programme Description

Dr Evelien Gevers PhD, Consultant and Honorary Senior Lecturer in Paediatric Endocrinology & Diabetes

Prof Leo Dunkel PhD, Professor, and Honorary Consultant in Paediatric Endocrinology

Dr Helen Storr PhD, Reader and Honorary Consultant Paediatric Endocrinologist

Dr Claire Hughes PhD, Consultant in Paediatric Endocrinology & Diabetes

Dr Rathi Prasad PhD, Consultant in Paediatric Endocrinology & Diabetes

Dr Muriel Meso, Locum Consultant in Paediatric Endocrinology & Diabetes

Dr Ruben Willemsen, Locum Consultant in Paediatric Endocrinology & Diabetes

Dr Li Chan, MRC Clinician Scientist and Honorary Consultant in Paediatric Endocrinology

Dr Sasha Howard, Academic Clinical Lecturer in Paediatric Endocrinology

Dr Nikolina Kyprianou, Dr Sumana Chatterjee, Dr Emily Cotterill, Dr Alexandra Da Costa & Dr Ingrid Wilkinson, Clinical Research Fellows in Paediatric Endocrinology

Specialist Registrar (this post)

Senior House Officer

Lee Martin, Clinical Nurse Specialist in Paediatric Endocrinology

Lucy Painter, Secretary in Paediatric Endocrinology

Amy Ronaldsson, Database Administrator (NIHR)

Paediatric Diabetes Staff:

Dr Evelien Gevers PhD, Consultant in Paediatric Endocrinology & Diabetes

Dr Claire Hughes PhD, Consultant in Paediatric Endocrinology & Diabetes

Dr Rathi Prasad PhD, Consultant in Paediatric Endocrinology & Diabetes

Dr Muriel Meso, Locum Consultant in Paediatric Endocrinology & Diabetes

Dr Ruben Willemsen, Locum Consultant in Paediatric Endocrinology & Diabetes

Dr Paramita Cifelli, Consultant Paediatrician (WXH)

Dr Abdul Moodambail, Consultant Paediatrician (NUH)

Adam Dawes, Nicky Moore, Claire Hudson-Woodward, Lisa Fuller, Saniya Akther, Patricia Rogan - Paediatric Diabetes Nurse Specialists

Waseema Azam, Chelsea Brett, Grace Power, Kate Sharples - Paediatric Dieticians

Elisabeth Nash - Paediatric Clinical Psychologist

Uday Gharge - Database Manager

Programme Description

Amira Elmhassani – Database Administrator.

- Supervisor(s)
Dr Helen Storr

Dr Evelien Gevers

Clinical Training Responsibilities

The postholder is responsible for the endocrinology and diabetes in-patients and day cases i.e. ward rounds, arranging / planning admissions, undertaking / supervising endocrine testing and consultations / advice for satellite hospitals and other specialities. Attendance to paediatric endocrinology and diabetes out-patient clinics and post-clinic meetings is expected (endocrine 2/week, diabetes 1/week). The postholder is also responsible for the collation and presentation of the endocrine test results in a weekly meeting, also to compile the patient summaries (in-patient and day cases). They will also attend and present cases at the monthly clinical cases meeting (RLH), radiology/endocrinology MDT meeting (SBH), monthly regional Disorders of Sexual Determination (DSD) MDT meeting at Great Ormond Street Hospital (GOSH), monthly regional post graduate paediatric endocrinology (PGME) meetings, PAN London Paediatric endocrinology meetings and the adult endocrinology departmental meetings, where possible. They will participate in the junior doctors general paediatric teaching meeting (RLH) and monthly education session of the paediatric diabetes team. The post holder also has the opportunity to attend the following: 3 monthly Diabetes Network Meeting, insulin pump school, psychosocial / safeguarding meetings, diabetes nurse-led, sensor, high HbA1c, rare diabetes, diabetes transition and CFRD clinics.

Workload / Rota Arrangements / Example Timetable

The grid trainees at the Royal London Hospital contribute to the 1 in 12 out of hours acute general paediatrics rota which is EWTD compliant. The daytime acute general paediatric cover is 5 days every 6 months (attached to the general paediatric consultant of the week). A minimal number long days are worked as per the general paediatrics rota - total time spent on endocrinology and diabetes is ~70%.

Non Clinical Training Responsibilities (expectations of research / audit / teaching)

It is expected that the postholder will undertake and present an audit project and/or develop a departmental clinical guideline. Most grid trainees also undertake a clinical research project during their placement leading to the presentation of an abstract at a National/European Endocrinology conference and a peer-reviewed publication. Participation in the 4th Thursday pre-clinic teaching is encouraged as is presentation of cases at the GOSH PGME teaching, the 3-4 times yearly pan-London paediatric endocrinology meeting and/or weekly RLH general paediatric Thursday afternoon teaching. There is also the opportunity to present clinical cases at the regional DSD MDT monthly clinic at GOSH.

Further training opportunities

We are a group of 7 consultants, with strong clinical and academic interests and expertise. We benefit from a uniquely close and long-standing interaction with the thriving adult endocrinology service at Barts and we undertake a number of family and transition clinics with the adult team. As a result, we provide in depth training not only in paediatric, but also adolescent and adult endocrinology. Training opportunities include: attendance to specialist outpatient clinics - bone/calcium clinic, DSD MDT clinic, adult diabetes/transition clinics, adult endocrinology/transition clinics, Von Hippel Lindau and familial paraganglioma (SDH gene mutation) family MDT clinics, joint

Programme Description

endocrine and haematology clinics. A number of courses and training days locally and nationally are available including those run by the Society for Endocrinology (SfE) and the British Society Paediatric Endocrinology and Diabetes (BSPED). The attendance at National/international Endocrinology conferences is encouraged. There is also close interaction with the very strong academic department in Charterhouse Square. Grid trainees have the opportunity to attend a number of academic meetings including: the 3-4 times yearly Pan-London meeting, the monthly Paediatric Endocrinology research group meeting, twice monthly Endocrine seminar series and monthly PGME endocrinology meeting. Within the Centre for Endocrinology at Charterhouse Square, there are also numerous opportunities to undertake MD/PhD laboratory and clinical research projects, trainees wishing to pursue a higher degree are actively encouraged to apply for an period of OOPR.

Contact details for unit

Dr Helen L Storr,

Reader and Honorary Consultant in Paediatric Endocrinology,

Centre for Endocrinology,

William Harvey Research Institute,

Barts and the London School of Medicine,

Queen Mary University London,

First Floor, John Vane Science Centre,

Charterhouse Square,

London EC1M 6BQ.

T: +44 (0)20 7882 6198

Programme Description

Sub-specialty:	Paediatric Endocrinology
Base Unit:	University College London Hospitals
Deaneries involved:	Thames

Outline of Programme

Part of a 2 year rotation with Endo 1. Year 2 is usually spent at Great Ormond Street Hospital (Endo 1). Post has option with Manpower demands to operate as 1 year stand alone post. Training provided is aimed at Tertiary Care Level but is suitable for special interest training

Departmental Information

- Demographics
Post is part of the London Centre for Paediatric Endocrinology a joint venture providing seamless care for children with endocrine and metabolic problems from infancy to adult life. The Centre serves both Thames Regions and receives National and International referrals. The majority of clinic work is Diabetes (9 clinics per week) along with Insulin Pump School (1 morning per week), General Endocrinology 3 clinics per week, Gender Identity Clincs (4 per week) and Late effects of Oncology clinic 1 per week. Great Ormond Street also provides clinics in Disorders of Sexual Determination and calcium Disorders. A weekly Business Meeting is conducted for both sites on the Great Ormond Street site. Outpatient attendances total 6000, Day case Endocrinology is 770 cases per annum and Inpatient work constitutes 80-100 cases per annum. The Consultants also provide an Outreach Service to 8 District General Hospitals in the Thames Regions. .
- Team
There are 3 NHS Consultants and 4 Academics, 1 SpR (one is this post), 2 Clinical Fellows, 1 SHO and 7 Clinical Nurse Specialists in Diabetes, 1 Nurse Consultant in Diabetes, 2 Dieticians and 2 Clinical Nurse Specialists in Endocrinology
- Supervisor(s)
Professor Gary Butlerh

Clinical Training Responsibilities

The postholder is responsible for the day to day running of the In-Patient and Day Wards. In addition in conjunction with the Attending Endocrinologist liaison is provided for other admitting Consultants to the Adolescent Unit. The post holder is responsible for the organisation of the admission work-up according to predefined Centre protocols, for the presentation of results at the weekly Business Meeting and the compilation of the discharge summaries.

Training is provided in the form of a Structured Teaching Programme over a 3 year period involving lectures and small group tutorials. There is a fortnightly Endocrine Grand Round and quarterly Pan-London meeting as well as the standard Hospital teaching activities.

Attendance at outpatient clinics would consist of 1 diabetes clinic, 1 endocrine and 1 late effects clinic per week. In addition pump school (2 whole days separated by 1 week) should be attended at least once to gain experience in starting insulin pump therapy. Cases are reviewed at the end of each consultation and at the end of the clinic. Cross attendance at GOSH activities is encouraged.

Workload / Rota Arrangements / Example Timetable

There is no daytime cross cover with the acute paediatric service except in exceptional circumstances. Out of hours cover is part of the acute general paediatrics rota. The rota is approximately 1 in 10 with prospective cover. To be finalised with University College Hospital

Programme Description Grid 2019

Non Clinical Training Responsibilities (expectations of research / audit / teaching)

Planning and execution of admission plan. Construction of Discharge Summary in conjunction with Consultant-in-Charge. Audit of practice by audit project focussing on implications for clinical governance.

Presentations using a variety of techniques will be encouraged. Coaching in presentation skills will be undertaken.

Journal club participation.

Further training opportunities

Additional specialist clinics are held in Haematology, Brain Tumours, Diabetes, Disorders of Sexual Determination and Calcium disorders as well as Endocrine Surgery and Paediatric Gynaecology.

Dedicated Adolescent Clinics are held at the UCLH site as well as Adult Endocrine and Diabetes Clinics. Exposure to the techniques of radioimmunoassay and molecular biology are available.

Multi-disciplinary working is practiced particularly in the Diabetes and Disorders of Sexual Determination Clinics.

A multiplicity of courses on Biostatistics, Molecular Biology, Biochemistry and Personal Development are available at the Institute of Child Health and University College London as well as courses organised by the Department and the National Endocrine Societies - Society for Endocrinology and British Society for Paediatric Endocrinology and Diabetes.

Opportunity to attend an MSc Course are available. Trainees wishing to Specialise in Paediatric endocrinology may wish to consider opportunities that are available for Research leading to MD/PhD. OOPR is actively encouraged to pursue this aim.

Any further information

Contact details for unit

Professor Peter Hindmarsh
University College Hospital
Department of Paediatrics
250 Euston Road
London NW1

Programme Description Grid 2019

Sub-specialty:	Paediatric Endocrinology
Base Unit:	Great Ormond Street Hospital
Deaneries involved:	Thames

Outline of Programme

Part of a 2 year rotation with year 2 spent at Great Ormond Street Hospital. Training provided is aimed at Tertiary Care Level only.

Departmental Information

- Demographics
Post is part of the London Centre for Paediatric Endocrinology a joint venture providing seamless care for children with endocrine and metabolic problems from infancy to adult life. The Centre serves both Thames Regions and receives National and International referrals. The majority of clinic work is endocrinology and diabetes in the form of; (a) the in patient service consisting of a large number of highly complex cases on the endocrine ward as well as providing opinions on inpatients to other specialisms, (b) cover and support for the busy day investigation unit and (c) daily specialist clinics (to be rotated with other trainees) consisting of general endocrinology, hypopituitarism, growth, late effects, calcium, Turners, DSD, thyroid and glucose dysregulation), k), General Endocrinology 5 clinics per week and Late effects of Oncology clinics 1-2 per week. The post will be involved in the fortnightly postgraduate teachings, the rota, business meetings and international symposia. Outpatient attendances total >5000, Day case Endocrinology are >1000 cases per annum. The Consultants also provide an Outreach Service to 11 District General Hospitals in the Thames Regions. There will be close links to the department of endocrinology and diabetes at UCLH, with whom there are joint ward rounds, teaching, day cases and transitional care.
- Team
At GOSH, there are 8 NHS Consultants and 2 Academic consultants, 2 other SpRs, 3 clinical fellows, 3 SHOs and 8 Clinical Nurse Specialists including 2 diabetes specialist nurses, 1 psychologist and dietician. The service is led by Professor Mehul Dattani, Head of Clinical Service in Endocrinology.
- Supervisor(s)
Dr Rakesh Amin
Professor Mehul Dattani
Dr. Catherine Peters
Dr Pratik Shah
Dr Helen Spoudeas

Clinical Training Responsibilities

The postholder is responsible for the day to day running of the In-Patients and Day Investigation Unit. The post holder is also responsible for presentation of results at the weekly ward round, the compilation of the discharge summaries, coordination of PG teaching and the junior doctor rota. Training is provided in the form of a Structured Teaching Programme occurring fortnightly, weekly on call teaching, weekly post clinic teaching and ad hoc small group tutorials and international symposia held at GOSH (approximately 3 per year). There is also an ad hoc (~twice per year) Pan-London meeting as well as the standard Hospital teaching activities.

Attendance at outpatient clinics would consist of rotation with other members of the team to ensure at least 1-2 clinics per week and also the weekly diabetes MDT. The post holder will be active in diabetes training including use of insulin pumps and other technologies. Cross attendance at UCLH activities is encouraged.

Workload / Rota Arrangements / Example Timetable

Programme Description Grid 2019

There is no acute paediatric service at GOSH. Out of hours cover is part of the 'MEGGA' rota which covers renal, endocrine, metabolic, rheumatology and gastroenterology. The day time shift system will consist of normal and long days, zero days, nights and will include weekend cover.

Non Clinical Training Responsibilities (expectations of research / audit / teaching)

Planning and execution of admission plan. Construction of Discharge Summary in conjunction with Consultant-in-Charge. Audit of practice by audit project focussing on implications for clinical governance.

Presentations using a variety of techniques will be encouraged. Coaching in presentation skills will be undertaken. Participation in research projects either as lead or co-investigator will be encouraged

Further training opportunities

Specialist clinics are held in Hypopituitarism, Congenital Hyperinsulinism, Late effects of Haematology and Oncology Disorders, Brain Tumours, Diabetes, Thyroid disorders, Adrenal disorders, Disorders of Sex Development and Calcium disorders as well as Endocrine Surgery and Paediatric Gynaecology. Dedicated Adolescent Clinics are held at the UCLH site as well as Adult Endocrine and Diabetes Clinics. Exposure to the techniques of radioimmunoassay and molecular biology are available.

Multi-disciplinary working is practiced particularly in the Diabetes, Hypopituitarism, CAH and Disorders of Sexual Development Clinics.

A multiplicity of courses on Biostatistics, Molecular Biology, Biochemistry and Personal Development are available at the Institute of Child Health, GOSH and UCLH as well as courses organised by the Department and the National Endocrine Societies - Society for Endocrinology and British Society for Paediatric Endocrinology and Diabetes. Trainees wishing to Specialise in Paediatric endocrinology may wish to consider opportunities that are available for Research leading to MD/PhD. OOPR is actively encouraged to pursue this aim.

Contact details for unit

Dr Rakesh Amin
rakesh.amin@gosh.nhs.uk

Northern

Hospital / Centre	Placement Name	Duration (Months)	Educational Supervisor (name and e-mail) These will be published unless you ask otherwise	Compulsory (C) or Optional (O)	Availability Guaranteed (Y/N)
Great North Children's Hospital	Paediatric Endocrinology	24	Dr Tim Cheetham tim.cheetham@nuth.nhs.uk	C	Y

Programme Description Grid 2019

Subspecialty:	Paediatric Endocrinology
Base Unit:	Great North Children's Hospital, Newcastle upon Tyne
Deaneries involved:	Northern

Outline of Programme

Comprehensive training in Endocrinology and Diabetes:

General Endocrine and Growth clinics, new and review patients - 3 or 4 per week + post clinic meeting.

Special clinics: Turners - monthly (40 patients under review), Metabolic bone

Joint clinics: Oncology, Bone dysplasia, Renal, LCH, Adolescent Gynaecology, Fanconi Anaemia, APS-1, Adolescent Endocrine clinic every month.

Disorders of Sexual Development clinics

Peripheral clinics: North Tees, South Tees, Hartlepool and Sunderland

Regular endocrine testing conducted on the day unit

Diabetes - 300 patients

Age banded clinics. There is an evening clinic for 14-16 year olds as well as a transition / adolescent clinic

There is exposure to rarer forms of diabetes including Type 2 diabetes (formal clinic), Diabetes in Cystic fibrosis

Other relevant activity: Regular MD team meetings (including thyroid, pituitary), Morbidity and Mortality meetings, journal clubs, Adult clinics and Programmed Investigation unit meetings. Regular regional meetings in Paediatric and Adult Endocrinology and paediatric diabetes.

Participation in local and national research projects including clinical trials.

Departmental Information

- Demographics
Population served - 3.1 million
- Team
4 Paediatric consultants (Endocrinology & Diabetes) (2.7 WTE), 2 Paediatric consultants (Diabetes) (1.0 WTE) and 5 specialist nurses, 1 diabetes nurse educator, 2 dieticians, 0.8 WTE psychologist.
- Supervisor(s)
Dr Tim Cheetham (University Reader and Consultant Paediatric Endocrinologist)

Clinical Training Responsibilities

Ward and clinic based responsibilities for patients with diabetes and endocrine disorders

Workload / Rota Arrangements / Example Timetable

General on-call usually 1 in 9 rota

Non Clinical Training Responsibilities (expectations of research / audit / teaching)

Trainees without a formal research training may want to consider this option in more detail whilst in post.

Further training opportunities

Opportunities for a formal research training leading to a higher degree can be explored

Any further information

Participation in many endocrine and diabetes studies

Contact details for unit

Debbie Matthews 0191282 5321 debbie.matthews@nuth.nhs.uk or Tim Cheetham 0191 282 9562 tim.cheetham@nuth.nhs.uk

Severn and Wales

Hospital / Centre	Placement Name	Duration (Months)	Educational Supervisor (name and e-mail) These will be published unless you ask otherwise	Compulsory (C) or Optional (O)	Availability Guaranteed (Y/N)
Bristol Children's Hospital	Endocrinology	12 (wte)	Dr Elizabeth Crowne Liz.Crowne@UH Bristol.nhs.uk	C	Y
Children's Hospital for Wales, Cardiff	Endocrinology	12 (wte)	Dr Justin Warner Justin.Warner@wales.nhs.uk	C	Y
Year 3 in Cardiff or Bristol					

Additional Information

Rotation between Bristol Children's Hospital and the Children's Hospital for Wales, Cardiff. We are submitting 1 post, starting in Bristol and then rotating to Cardiff. The duration in each training centre would be tailored to suit the trainee's needs.

Programme Description Grid 2019

Subspecialty:	Paediatric Endocrinology and Diabetes
Base Unit:	Bristol Royal Hospital for Children and Children's Hospital for Wales, Cardiff
Deaneries involved:	Severn & Wales

Outline of Programme

This is a rotation involving 2 centres, Bristol Royal Hospital for Children and the Children's Hospital for Wales in Cardiff. The rotation starts with 12 months at either Bristol or Cardiff followed by 12 months at the opposite centre with the potential for a further 12 months at either centre in the 3rd year. During each placement year there is opportunity to attend the other centre 1-2 days/month for specialist clinics and teaching/research.

Both centres have multi-disciplinary teams including clinical nurse specialists and clinical psychology running regional paediatric endocrinology services and local diabetes services with strong academic interests. Bristol is an ENDO-ERN centre for rare endocrine conditions including DSD, Rare Growth and Obesity disorders, Pituitary and Adrenal conditions, Endocrine Tumours and Calcium metabolism and Rare Bone Disorders. It is one of the 4 highly-specialised centres for severe, complex or atypical Osteogenesis Imperfecta commissioned by NHS England.

The trainee will obtain training in the organisation, assessment and management of endocrine problems in out-patient, day case and in patient settings. In-patient referrals are seen from NICU, PICU and the acute wards (patients under other specialist team on steroids or with problems of glucose homeostasis or fluid and electrolyte disturbance or with growth, puberty and fertility issues). The majority of elective investigations are arranged as day cases. There will be a large component of out-patient experience

Both centres have busy endocrine clinics and in addition to general endocrinology clinics where the trainee will have their own patient lists, both centres offer a wide range of specialist joint clinics (including Oncology/BMT late-effects, Neuro-Oncology, Complex OI, Bone Dysplasia, Calcium metabolism, Endocrinology-Genetics, DSD, and joint clinics with renal, gastroenterology, adolescent gynaecology, and adult endocrinology teams). The trainee will initially be able to observe but move on to personal management of cases under the supervision of the consultant, covering the full range of paediatric endocrinology clinical problems from growth, puberty and thyroid problems to more complex patients initially seeing patients jointly with the consultant and then to manage these patients with appropriate supervision. In the joint clinics the trainee will have the opportunity to discuss clinical problems and their underlying mechanisms with other teams involved in the patient's management.

The trainee will also work with the multi-disciplinary paediatric diabetes teams gaining expertise in all aspects of the care of children and young people with type 1 diabetes from diagnosis through to transfer to the adult service. The trainee will have opportunity to cover all aspects of SPIN for diabetes. Both centres have insulin pump services. They will have training in the clinical problems of childhood obesity and paediatric type 2 diabetes.

The trainee will be able to attend endocrinology and diabetes clinics in the departments of Medicine at Bristol and Cardiff for experience in transition and in the management of adult endocrinology and diabetes.

Departmental Information

Demographics

Bristol: Endocrinology team cover SW region with a population of 5 million.

Bristol 7 Weston Diabetes clinic of 450 children adolescents with T1DM 50 new patients/year.

Cardiff: Endocrinology team cover South and Mid Wales with a population of 3 million.

Diabetes clinic of 220 children adolescents with T1DM 20-25 new patients/year.

Programme Description Grid 2019

Teams

Bristol:

- Dr E C Crowne Consultant in Paediatric Endocrinology and Diabetes, Clinical Lead
- Dr C P Burren Consultant in Paediatric Endocrinology and Diabetes
- Dr John Barton Consultant in Paediatric Endocrinology and Diabetes
- Dr Dinesh Giri Consultant in Paediatric Endocrinology and Diabetes
- Prof J P Shield Professor of Diabetes and Metabolic Endocrinology
- Dr R Bragonier Consultant in General Paediatrics with an Interest in Diabetes
- Dr A Eggers Consultant in General Paediatrics with an Interest in Diabetes

Additional Trainees: 1 ST 1-3, 1 ST 4-8, (plus ad hoc additional 1 clinical or research fellow)

MDT Personnel (Endocrinology including DSD, Late-Effects, Osteogenesis Imperfecta specialist MDTs; Obesity and Diabetes) :

- Paediatric Endocrine Nurse Specialists 4.3 WTE
- Paediatric Diabetes Nurse Specialists 8.6 WTE
- Psychology 2.4 WTE
- Dietician 2.7WTE
- Physio 1.00
- OT 1.00
- Social Worker 0.6 WTE

Cardiff:

- Dr J Warner Consultant in Paediatric Endocrinology and Diabetes, Clinical Lead
- Prof J Gregory Professor of Paediatric Endocrinology (retiring December 2018)
- Dr Ambika Shetty Consultant in General Paediatrics with an interest in Diabetes

MDT Personnel (Endocrinology and Diabetes):

- Paediatric Endocrine Nurse Specialists 2x 0.5WTE
- Paediatric Diabetes Nurse Specialists 3.6 WTE
- Psychology 0.5 WTE
- Dietician 1.0 WTE

Educational Supervisor(s)

- Bristol : Dr Crowne
- Cardiff : Dr J Warner

Clinical Training Responsibilities

Bristol: Clinical supervision from Dr Crowne, Dr Burren, Dr Barton, Dr Giri and Professor Shield.

Cardiff: Clinical supervision from Professor Gregory and Dr Warner and Dr Shetty

Workload / Rota Arrangements / Example Timetable

Programme Description

Rotas : Bristol Full shift EWTD compliant . Acute rota 9-10 week rolling rota: 6.5 weeks with speciality team1 split week of nights, 1 split week off (not included in annual leave) 1 split week long days (days with team, evening speciality cover) .1 week CPD & acute sickness cover every 27 weeks. Cardiff. EWTD compliant 1:11. In each 11 weeks there is one long day weekend, 7 nights (split 4 and 3) , and 5 weekdays off around the nights. On call could be either general or speciality.

Non Clinical Training Responsibilities (expectations of research / audit / teaching)

The trainee will be encouraged to undertake a clinical research project, with appropriate supervision, with the opportunity for additional experience in the laboratory at either centre. Both centres have a broad spectrum of research interests, both clinical and laboratory with overlapping research interests in diabetes and obesity, and in the physiology of the GH axis and puberty, bone metabolism and the endocrine late-effects of childhood cancer. Both centres collaborate in a number of national research studies and have secured HTA, NIHR and charity funding for research studies. Bristol hosts the regional MCRN network and The Biomedical Research Centre in Nutrition, Diet and Lifestyle. Cardiff has a newly opened paediatric research facility for clinical trials. The trainee will be able to access post-graduate training programmes and teaching in the academic departments at both centres.

The trainee will be expected to undertake a clinical audit project in both centres which can run over the 2 years if required.

The trainee will take part in the teaching programme at both centres for undergraduates and nursing staff and RCPCH membership examinations.

Further training opportunities

The trainee will be encouraged to undertake a research project with the potential to secure funding for a dedicated period of time in a research post. Both centres have a wide range of research collaborations to support this and also provide additional training and experience in research meetings and presentations. There are links with the adult endocrinology and diabetes departments in both centres for further clinical experience and awareness of advances in clinical practice. Both centres have metabolic paediatric expertise to complement their endocrinology training (eg children presenting with hypoglycaemia). Experience in the laboratory is also an essential part of training and available in both centres.

Contact details for units

Dr Elizabeth Crowne, Tel 0117342 0165

Liz.Crowne@UHBristol.nhs.uk

Dr Justin T Warner, Tel 02920 746374

Justin.warner@wales.nhs.uk

Thames Valley and Wessex

Hospital / Centre	Placement Name	Duration (Months)	Educational Supervisor (name and e-mail) These will be published unless you ask otherwise	Compulsory (C) or Optional (O)	Availability Guaranteed (Y/N)
John Radcliffe Hospital	Paediatric Endocrinology and Diabetes	12	Fiona Ryan Fiona.ryan@ouh.nhs.uk	C	Y
Southampton General Hospital	Paediatric Endocrinology and Diabetes	12	Justin Davies Justin.Davies@uhs.nhs.uk	C	Y

Additional Information

The trainee will spend 12 months in Oxford, then rotate to Southampton for a further 12 months.

Programme Description

Sub-specialty:	Paediatric Endocrinology and Diabetes
Base Unit:	Oxford Children's Hospital, Oxford
Deaneries involved:	Oxford and Wessex

Outline of Programme

Oxford forms part of a 2-year rotation: 12 months at Oxford Children's Hospital in Oxford, followed by 12 months at University Hospital Southampton, in Southampton.

Departmental Information

- Demographics

Oxford:

The Oxford Children's Hospital has 107 beds and in addition 6 HDU and 7 PITU beds. The regional population (covering the Thames Valley) is 2.2 million with a childhood population of 550,000 and a birth rate of 25,000 per year. Oxford Children's Hospital is the referral centre for Paediatric endocrinology, respiratory medicine, cardiology, neonatology, intensive care, oncology, infectious diseases, neurology, gastroenterology and surgery, including craniofacial, spinal and neurosurgery. There are sub-specialty clinics in Late Effects of Cancer Treatment, Disorders of Sex Development (DSD), Bone, Endocrine Transition, Turners Transition, and Metabolic Medicine. Peripheral clinics are held in Reading, Milton Keynes, High Wycombe, Aylesbury and Swindon. We also 'share-care' with Northampton.

Oxford has a large diabetes service which covers Oxford Children's Hospital and Horton General Hospital in Banbury, with over 350 patients. We look after children with type 1 and type 2 diabetes, MODY, steroid induced diabetes, cystic fibrosis related diabetes and syndromic diabetes. Approximately 40% of our patients are on insulin pump therapy. We also run a specialist Diabetes Sports Clinic which takes referrals from within the Thames Valley and also within the Diabetes Network. We work closely with the adult diabetologists and run joint Diabetes Transition Clinics in Oxford and in Banbury. We run an extensive diabetes education programme, which includes an annual residential weekend away with the children. We work closely with Southampton as part of the Thames Valley and Wessex Diabetes Network.

We work closely with the University of Oxford, and Oxford is a recognised centre of excellence in research. We are actively involved in a number of on-going research trials with the Paediatric Endocrinology and Diabetes departments.

Southampton:

Southampton Children's Hospital has more 170 beds and is located at the University Hospital Southampton. For the last 4 years the School of Paediatrics at the Wessex Deanery was ranked first for training in the UK in the GMC survey. The Regional Centre for Paediatric Endocrinology for Wessex and the Channel Islands covers a population 3.7 million with a local population of 650,000. There are subspecialty clinics in Disorders of Sex Development, Bone, Genetics, Transition Endocrinology, obesity, dyslipidaemia & Late Effects of Cancer Treatment. Peripheral clinics are held in Basingstoke, Dorchester, Frimley, Isle of Wight, Jersey, Poole, Salisbury, Chichester, Portsmouth, Poole & Winchester. As well as regional referrals, referrals are received from other tertiary specialties: neurosurgery, neurology, oncology, cardiology, PICU, NICU, gastroenterology, nephrology, urology, genetics and respiratory medicine.

There is a large diabetes service (~290 children) with a well-developed insulin pump service (~40% of patients). Children with type 2 DM, cystic fibrosis-related DM, and syndromic diabetes are also managed

Programme Description

- Team

Oxford:

Three full-time consultants in Paediatric Endocrinology and Diabetes (Dr Fiona Ryan, Taffy Makaya and Rachel Besser), 2 consultants in General Paediatrics WAI in diabetes, 2 specialty doctors, 1 SpR WAI Endocrinology and Diabetes (plus the Grid trainee), 1 SHO in Paediatric Gastroenterology, Diabetes and Endocrinology, 1 Specialist Nurse in Paediatric Endocrinology, 4.5 WTE Diabetes Specialist nurses, 1.7 WTE Diabetes Specialist dieticians, 0.7 WTE Diabetes specialist educator, and 2.5 research nurses.

Southampton:

Three Consultants in Paediatric Endocrinology (JD/ND/AUK), 1 Consultant in General Paediatrics and Diabetes (Dr Nicola Trevelyan), 1 SpR in Paediatric Endocrinology, 1 SHO in Paediatric Endocrinology, 2.8 WTE Paediatric Endocrine Nurse specialists, 3.5 WTE Diabetes Specialist nurses, 0.5 research nurse.

- Supervisor(s)

Oxford: Drs Fiona Ryan, Taffy Makaya, Rachel Besser

Southampton: Drs Justin Davies, Nikki Davis, Anitha Kumaran, Nicola Trevelyan

Clinical Training Responsibilities

A major strength of this training programme is that the trainee will gain extensive tertiary endocrine clinical experience in two different centres as well as comprehensive clinical experience in paediatric diabetes. The trainee will gain broad exposure to sub-specialty paediatric endocrinology to ensure sound clinical skills to consultant level at the end of the training.

Oxford

The trainee will be responsible for the day to day management of the paediatric endocrinology and diabetes patients, working closely as part of a large MDT. The trainee will be well supported and supervised by the senior members of the team. The trainee will be expected to see patients in clinic and also assess and manage in-patients and new referrals from the region. The trainees will provide a commitment to the out-of-hours on-call service either general paediatric or PICU.

Southampton:

Outpatient assessment of complex endocrine disorders, referral from 10 DGHs in the Wessex region as well as district referral from GPs, both new and follow-up. Inpatient management of complex endocrine disorders and diabetes (elective and emergency).

The SpR will be responsible for the day-to-day management of all inpatients with endocrine disorders or diabetes. This will include assessment of new in-patient referrals and regional referrals and presentation of cases at the weekly endocrine MDT.

Programme Description

Workload / Rota Arrangements / Example Timetable

Oxford:

	Morning	Afternoon
Monday	Diabetes Clinic (3/4)Endocrine clinic (1/4) Opportunity to sit in on/take part in: Metabolic clinic (8x/year) or Endocrine transition 6x/year	Diabetes Clinic
Tuesday	Day case investigations, Ward round	Ward round. Patient admin. Opportunity to sit in/take part in Late Effects clinic (1/month) + peripheral clinics 1/month
Wednesday	Day Case investigations/Endocrine results meeting	Teaching, Ward review/ Patient administration, Grand round Opportunity to sit in/take part in DSD clinic (6x/year), bone clinic 4/year
Thursday	Neuroradiology MDT, Opportunity to sit in/take part in Diabetes Clinic at the Horton/Ward reviews	Endocrine clinic. Opportunity to sit in/take part in the Diabetes transition clinic (OCDEM- 1/month).
Friday	Endocrine/Diabetes Clinic or Day-case investigations	Research/ Audit/Ward round/patient admin

1-4 monthly: Endocrine- DSD, Late Effects, Endocrine transition, Diabetes Transition, Bone, Metabolic, Peripheral Clinics.

1 in 9 shift for acute paediatrics

Southampton:

	Morning	Afternoon
Monday	Endocrine clinic	Endocrine clinic / Ward round
Tuesday	Day case investigations/ Endocrine Seminar	Endocrine MDT/ Teaching
Wednesday	Endocrine clinic	Ward review/ Patient administration
Thursday	Grand round/ late effects MDT/ Ward reviews	Diabetes MDT / Diabetes clinic
Friday	Endocrine Clinic / Peripheral clinic	Endocrine Clinic/Research/ Audit

1-4 monthly: Endocrine-Genetics clinic, Bone clinic, Osteogenesis Imperfecta clinic, dyslipidaemia, obesity, transition clinic, DSD Clinic, late effects clinic.

1 in 10 shift for acute paediatrics

Non Clinical Training Responsibilities (expectations of research / audit / teaching)

Teaching of undergraduates, SHO in Paediatric Endocrinology, MRCPCH teaching programme

Presentations, journal club

Guideline development

Quality improvement projects

Further training opportunities

1. Multidisciplinary working: attendance at adult endocrine and diabetes clinics, neuro-radiology MDT, neuro-oncology MDT, specialist clinics - see above- training in management of childhood obesity and metabolic disorders

Programme Description

2. The Oxford and Southampton Departments of Paediatrics have a strong research background. There will be opportunities to get involved in on-going research projects with research training and supervision.
3. Experience in audit, clinical governance, management, leadership and education
4. Thames Valley Deanery training for SpRs, 11 days / year; Wessex Deanery training for senior SpRs, 4 days/year - PREP study days (training in becoming a consultant).

Any further information

There are excellent opportunities for non-clinical career development through the Thames Valley and Wessex Deaneries. NHS Education South Central (NESC) offers an excellent range of courses across a broad curriculum including Leadership and Management within the NHS.

Contact details for unit

Dr Fiona Ryan (fiona.ryan@ouh.nhs.uk or Dr Taffy Makaya (taffy.makaya@ouh.nhs.uk). Tel: 01865 231251

Dr Justin Davies, tel: 02381 206985, justin.davies@uhs.nhs.uk

Programme Description

Sub-specialty:	Paediatric Endocrinology and Diabetes
Base Unit:	Oxford Children's Hospital, Oxford
Deaneries involved:	Oxford and Wessex

Outline of Programme

Oxford forms part of a 2-year rotation: 12 months at Oxford Children's Hospital in Oxford, followed by 12 months at University Hospital Southampton, in Southampton.

Departmental Information

- Demographics

Oxford:

The Oxford Children's Hospital has 107 beds and in addition 6 HDU and 7 PITU beds. The regional population (covering the Thames Valley) is 2.2 million with a childhood population of 550,000 and a birth rate of 25,000 per year. Oxford Children's Hospital is the referral centre for Paediatric endocrinology, respiratory medicine, cardiology, neonatology, intensive care, oncology, infectious diseases, neurology, gastroenterology and surgery, including craniofacial, spinal and neurosurgery. There are sub-specialty clinics in Late Effects of Cancer Treatment, Disorders of Sex Development (DSD), Bone, Endocrine Transition, Turners Transition, and Metabolic Medicine. Peripheral clinics are held in Reading, Milton Keynes, High Wycombe, Aylesbury and Swindon. We also 'share-care' with Northampton.

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We work closely with the University of Oxford, and Oxford is a recognised centre of excellence in research. We are actively involved in a number of on-going research trials with the Paediatric Endocrinology and Diabetes departments.

Southampton:

Southampton Children's Hospital has more 170 beds and is located at the University Hospital Southampton. For the last 4 years the School of Paediatrics at the Wessex Deanery was ranked first for training in the UK in the GMC survey. The Regional Centre for Paediatric Endocrinology for Wessex and the Channel Islands covers a population 3.7 million with a local population of 650,000. There are subspecialty clinics in Disorders of Sex Development, Bone, Genetics, Transition Endocrinology, obesity, dyslipidaemia & Late Effects of Cancer Treatment. Peripheral clinics are held in Basingstoke, Dorchester, Frimley, Isle of Wight, Jersey, Poole, Salisbury, Chichester, Portsmouth, Poole & Winchester. As well as regional referrals, referrals are received from other tertiary specialties: neurosurgery, neurology, oncology, cardiology, PICU, NICU, gastroenterology, nephrology, urology, genetics and respiratory medicine.

There is a large diabetes service (~290 children) with a well-developed insulin pump service (~40% of patients). Children with type 2 DM, cystic fibrosis-related DM, and syndromic diabetes are also managed

- Team

Programme Description

Oxford:

Three full-time consultants in Paediatric Endocrinology and Diabetes (Dr Fiona Ryan, Taffy Makaya and Rachel Besser), 2 consultants in General Paediatrics WAI in diabetes, 2 specialty doctors, 1 SpR WAI Endocrinology and Diabetes (plus the Grid trainee), 1 SHO in Paediatric Gastroenterology, Diabetes and Endocrinology, 1 Specialist Nurse in Paediatric Endocrinology, 4.5 WTE Diabetes Specialist nurses, 1.7 WTE Diabetes Specialist dieticians, 0.7 WTE Diabetes specialist educator, and 2.5 research nurses.

Southampton:

Three Consultants in Paediatric Endocrinology (JD/ND/AUK), 1 Consultant in General Paediatrics and Diabetes (Dr Nicola Trevelyan), 1 SpR in Paediatric Endocrinology, 1 SHO in Paediatric Endocrinology, 2.8 WTE Paediatric Endocrine Nurse specialists, 3.5 WTE Diabetes Specialist nurses, 0.5 research nurse.

- Supervisor(s)

Oxford: Drs Fiona Ryan, Taffy Makaya, Rachel Besser

Southampton: Drs Justin Davies, Nikki Davis, Anitha Kumaran, Nicola Trevelyan

Clinical Training Responsibilities

A major strength of this training programme is that the trainee will gain extensive tertiary endocrine clinical experience in two different centres as well as comprehensive clinical experience in paediatric diabetes. The trainee will gain broad exposure to sub-specialty paediatric endocrinology to ensure sound clinical skills to consultant level at the end of the training.

Oxford

The trainee will be responsible for the day to day management of the paediatric endocrinology and diabetes patients, working closely as part of a large MDT. The trainee will be well supported and supervised by the senior members of the team. The trainee will be expected to see patients in clinic and also assess and manage in-patients and new referrals from the region. The trainees will provide a commitment to the out-of-hours on-call service either general paediatric or PICU.

Southampton:

Outpatient assessment of complex endocrine disorders, referral from 10 DGHs in the Wessex region as well as district referral from GPs, both new and follow-up. Inpatient management of complex endocrine disorders and diabetes (elective and emergency).

The SpR will be responsible for the day-to-day management of all inpatients with endocrine disorders or diabetes. This will include assessment of new in-patient referrals and regional referrals and presentation of cases at the weekly endocrine MDT.

Workload / Rota Arrangements / Example Timetable

Oxford:

	Morning	Afternoon
Monday	Diabetes Clinic (3/4) Endocrine clinic (1/4) Opportunity to sit in on/take part in: Metabolic clinic (8x/year) or Endocrine transition 6x/year	Diabetes Clinic
Tuesday	Day case investigations, Ward round	Ward round. Patient admin. Opportunity to sit in/take part in Late Effects clinic (1/month) + peripheral clinics 1/month
Wednesday	Day Case investigations/Endocrine results meeting	Teaching, Ward review/ Patient administration, Grand round Opportunity to sit in/take part in DSD clinic (6x/year), bone clinic 4/year
Thursday	Neuroradiology MDT, Opportunity to sit in/take part in Diabetes Clinic at the Horton/Ward reviews	Endocrine clinic. Opportunity to sit in/take part in the Diabetes transition clinic (OCDEM- 1/month).
Friday	Endocrine/Diabetes Clinic or Day-case investigations	Research/ Audit/Ward round/patient admin

1-4 monthly: Endocrine- DSD, Late Effects, Endocrine transition, Diabetes Transition, Bone, Metabolic, Peripheral Clinics.
1 in 9 shift for acute paediatrics

Southampton:

	Morning	Afternoon
Monday	Endocrine clinic	Endocrine clinic / Ward round
Tuesday	Day case investigations/ Endocrine Seminar	Endocrine MDT/ Teaching
Wednesday	Endocrine clinic	Ward review/ Patient administration
Thursday	Grand round/ late effects MDT/ Ward reviews	Diabetes MDT / Diabetes clinic
Friday	Endocrine Clinic / Peripheral clinic	Endocrine Clinic/Research/ Audit

1-4 monthly: Endocrine-Genetics clinic, Bone clinic, Osteogenesis Imperfecta clinic, dyslipidaemia, obesity, transition clinic, DSD Clinic, late effects clinic.

1 in 10 shift for acute paediatrics

Non Clinical Training Responsibilities (expectations of research / audit / teaching)

Teaching of undergraduates, SHO in Paediatric Endocrinology, MRCPCH teaching programme
Presentations, journal club
Guideline development
Quality improvement projects

Further training opportunities

1. Multidisciplinary working: attendance at adult endocrine and diabetes clinics, neuro-radiology MDT, neuro-oncology MDT, specialist clinics - see above- training in management of childhood obesity and metabolic disorders
2. The Oxford and Southampton Departments of Paediatrics have a strong research background. There will be opportunities to get involved in on-going research projects with research training and supervision.
3. Experience in audit, clinical governance, management, leadership and education
4. Thames Valley Deanery training for SpRs, 11 days / year; Wessex Deanery training for senior SpRs, 4 days/year - PREP study days (training in becoming a consultant).

Any further information

There are excellent opportunities for non-clinical career development through the Thames Valley and Wessex Deaneries. NHS Education South Central (NESC) offers an excellent range of courses across a broad curriculum including Leadership and Management within the NHS.

Contact details for unit

Dr Fiona Ryan (fiona.ryan@ouh.nhs.uk or Dr Taffy Makaya (taffy.makaya@ouh.nhs.uk). Tel: 01865 231251

Dr Justin Davies, tel: 02381 206985, justin.davies@uhs.nhs.uk

West Midlands

Hospital / Centre	Placement Name	Duration (Months)	Educational Supervisor (name and e-mail) These will be published unless you ask otherwise	Compulsory (C) or Optional (O)	Availability Guaranteed (Y/N)
Birmingham Children's Hospital	Paediatric Endocrinology & Diabetes	24-36	To be determined dependant on academic, clinical and research interests of the candidate. Contact details for candidates: Dr Ruth Krone (ruthkrone@nhs.net) Prof Tim Barrett (T.G.Barrett@bham.ac.uk)	C	Y

Additional Information

Successful candidates will be offered training opportunities across the field of endocrinology and diabetes. A placement at our hospital will be providing successful candidates with unique training opportunities in nationally commissioned services for OI, hypophosphatasia and rare diabetes. In addition, we offer further exciting training opportunities through our higher specialised services in metabolic bone disease and adrenal/DSD where regionally cohorted patients are managed. We have strong links with genetics and are looking to implement genomic medicine. This post combines outpatient and inpatient based training which will aid developing skills in the management of rare and complex patients in the setting of a young and ethnically diverse city.

Subspecialty:	Paediatric Endocrinology and Diabetes
Base Unit:	Birmingham Children's Hospital NHS Foundation Trust
Deaneries involved:	Health Education West Midlands

Outline of Programme

This post provides a programme for higher specialist training in paediatric endocrinology and diabetes. The postholder will have clinical training opportunities in all the major paediatric endocrine and diabetes subspecialties. We provide a comprehensive range of tertiary endocrine and diabetes clinics including specialist clinics for endocrine late effects, metabolic bone, osteogenesis imperfecta, disorders of sexual differentiation, adrenal, PWS, CHARGE, Septo-optic dyslasia, adolescent, genetic, rare endocrine tumours, specialist diabetes and national rare diabetes services (type 2 diabetes, CF-related diabetes, Wolfram, Alstrom, Bardet Biedl), combined clinics with other specialties such as haematology/oncology/rheumatology, and adolescent diabetes clinics (at University Hospitals Birmingham). The applicant will also have clinical training opportunities in adult Endocrinology/Diabetes at University Hospitals Birmingham (UHB NNS FT). The postholder will have a particular role in the supervision of junior medical staff in the inpatient investigation of endocrine problems. Special responsibilities include internal endocrine and diabetes referrals within Birmingham Children's Hospital. The programme will deliver all the core competencies required under the guidelines for higher specialist training provided by the British Society for Paediatric Endocrinology and Diabetes (BSPED) and the European Society for Paediatric Endocrinology (ESPE).

Departmental Information

- *Demographics*

Birmingham Children's Hospital (BCH), the Regional Paediatric centre for the West Midlands (population 5.5 million), is a 300 bedded hospital which provides general paediatric services for the local population, and tertiary/national services in a full range of paediatric specialties. The paediatric endocrine experience is comprehensive, serving a multiethnic population equivalent in numbers to the whole of Scotland or Norway. There are specialist paediatric endocrine clinical and research laboratories with the emphasis on translational research in diabetes, bone, obesity, adrenal and gonadal disease. These labs are based in the University of Birmingham and the Regional Endocrine Laboratories at University Hospitals Birmingham. The stand alone Wellcome Trust Clinical Research Facility (CRF) on the BCH site provides inpatient and outpatient beds, bone, muscle and body composition assessment and an exercise laboratory. Adjacent is the NIHR 3T MRI and spectroscopy scanner. BCH also hosts the West Midlands Medicines for Children Research Network. The research infrastructure supports an outstanding clinical research environment for experimental medicine studies and clinical trials. There are joint clinics and research activities with the departments of adult Endocrinology and Diabetes allowing for excellent training opportunities in transitional care from paediatric into adult patient management.

- *Team*

There are six NHS (Dr Renuka Dias, Dr Melanie Kershaw, Dr Ruth Krone, Dr Vrinda Saraff, Prof Nick Shaw and Dr Zainab Mohamed (Locum)) and two academic consultants (Prof Timothy Barrett, PD Dr Wolfgang Högler). Each consultant has a specific clinical & research interest with the main foci being metabolic bone disease, type 2 and syndromic diabetes, adrenal and gonadal disease, and growth disorders. There are two full-time level 3 StRs attached to the department: one is on the National Grid rotation, and one is part of the regional rotation. There are also two clinical fellows, academic clinical lecturers, international fellows, a foundation year post and a research nurse. The unit is also unique in offering 24/7 ambulatory care for new and existing children with type 1 diabetes, with currently 7 specialist diabetes nurses, along with three dieticians, one psychologist, social worker and administrative staff. In addition there are 3 endocrine and 2 bone specialist nurses.

- *Supervisor(s)*

To be determined dependant on academic, clinical and research interests of the candidate.

Clinical Training Responsibilities

The successful candidate will work alongside and supervise other junior staff taking a lead role in clinical management of in-patients, out-patients and day cases within the department.

Workload /Rota Arrangements / Example Timetable

The department currently holds two routine General Endocrine Clinics (of up to 40 patients) a week (attended by a minimum of two consultants). In addition, there are two regular Paediatric Diabetes Clinics a week, weekly metabolic bone and thrice monthly osteogenesis imperfecta clinics, and a large number of other, less frequent, subspecialty clinics. Work on Medical Day Unit includes patient reviews and endocrine testing, which allows for familiarisation of theoretical and practical aspects of functional endocrine tests. Education is one core of the job plan with fixed weekly lunchtime meetings and an Endocrine teaching meeting, where active involvement in journal club, and arranging outside speakers, is encouraged.

	Monday	Tuesday	Wednesday	Thursday	Friday
am	Medical Day Unit, Diabetes drop-in, or research	Endocrine Clinic or Metabolic Bone Clinic	Medical Day Unit or fortnightly Osteogenesis Imperfecta clinic	Ward Round Teaching Meeting	Endocrine Clinic
Lunch		Research Meeting	Grand Round	Diabetes Meeting	Endocrine Notes Meeting
pm	Specialist clinic or research	Diabetes Clinic; Adult endocrinology meeting	Research	Diabetes Clinic	Ward Round

The trainee will be required to participate in a cross-speciality full-shift rota.

Non Clinical Training Responsibilities (expectations of research / audit / teaching)

The successful candidate will be expected to become actively involved with research as well as audit. There are final year undergraduate medical students (Team 5) attached to the unit, as well as regular departmental post-graduate teaching, which the successful applicant would be expected to organise. The department is leading in internationally competitive clinical and translational/ basic research (funded by the National Institute for Health Research, Medical Research Council, Wellcome Trust, EU Health Commission programme) and has close links to the laboratories at the University of Birmingham of Professor Barrett (molecular genetics, diabetes research, endoplasmic reticulum stress models) and Dr Högl (metabolic bone disease). There are numerous clinical endocrine, bone and diabetes studies at the BCH site. Active involvement into such research would be welcome and encouraged. There are also opportunities to conduct research leading to MD/PhD degrees. The department is closely linked to the adult department of endocrinology, and there are opportunities to undertake a placement in adult endocrinology as part of this training programme. There are also close links with endocrinology research through the Centre for Endocrinology, Diabetes and Metabolism, University of Birmingham. The department is also a health care provider for the ENDO-ERN European reference network. Previous postholders have been able to use this post as an Academic Clinical Lecturer post to further their academic training.

Further training opportunities

We provide several further clinical training opportunities such as specialist multidisciplinary clinics in Metabolic Bone Disease, Disorders of Sex Development (DSD) clinic, type 2 & non-type 1 diabetes, coeliac disease and CF-related diabetes, and joint clinics with: Genetics, Oncology, Brain Tumour, Haematology, Rheumatology, Orthopaedics, Small Bowel. There is also the possibility to gain insights into syndromic diabetes and obesity within highly-specialised national services (Alström, Bardet Biedl, Wolfram) as well as complex & atypical osteogenesis imperfecta, including bone densitometry and mechanography. Adolescent/Transition Clinics together with adult Endocrinologists, adult Bone or young Adult Diabetes Specialists provide the opportunity to gain experience in transitional patient management. There is also the opportunity to attend the adult Endocrine clinic at the Queen Elizabeth and the reproductive Endocrine clinic at Birmingham Women's Hospitals.

Any further information

The successful candidate will also be encouraged to engage in clinical research activities and supported to attend and present at local, national and international meetings such as BSPED and ESPE.

Contact details for unit

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Fax: 0121 333 8191

E-mail: ruthkrone@nhs.net

Tel: 0121 333 9267

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E-mail: T.G.Barrett@bham.ac.uk